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No. 18] NEW DELHI, SATURDAY, MAY 3, 1986 (VAISAKHA 13, 1908)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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Calcutta, the 3rd May 1986

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1—47GI/86

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APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

24th March, 1986

237/Cal/86. Raffineria Olii Lubrificanti "R.O.L." S.p.A. Surfactants derived from citric acid.

238/Cal/86. Hoechst Aktiengesellschaft. 4, 4'- Diaminodiphenyl compounds, process for their preparation and their use.

239/Cal/86. Hoechst Aktiengesellschaft. Process for preparing water—insoluble azo dyes on the fiber.

240/Cal/86. Hoechst Aktiengesellschaft. Process for preparing 4, 4'-diaminodiphenyl compounds and their use.

241/Cal/86. Mitsui Toatsu Chemicals, Incorporated. Polypropylene—base resin composition.

25th March, 1986

242/Cal/86. Hoechst Aktiengesellschaft. 4, 4'-Diazo compounds of 3, 3'-dialkoxybiphenyls. a process for their preparation and their use.

243/Cal/86. Hoechst Aktiengesellschaft. Bisdiazonium salts of 4, 4'-diamino - 3, 3'-dialkoxybiphenyls, a process for their preparation and their use.

244/Cal/86. Dietmar Boenisch. Method of and apparatus for manufacturing foundry molds.

27th March, 1986

245/Cal/86. Schlumberger Electronics (UK) Limited. Brazing eutectic and method. (Convention date 27th March, 1985) U. K.

246/Cal/86. (1) Mitsui Toatsu Chemicals, Incorporated, & Toyo Engineering Corporation Continuous process for the treatment of polymer composition.

247/Cal/86. Huck Manufacturing Company. Offset tool and cartridge nose assembly.

248/Cal/86. Fidia, S.p.A. New medicaments for topical use.

249/Cal/86. American Can Company. A container for degenerative product fabricated from laminate web and method for producing the same. [Divisional date 28th December, 1982].

250/Cal/86. Liu Yu Zhong. Articles made of metal or metal alloys with improved wear-resistance coating and process for providing such coating on said articles.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, AT TODI ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL(W), BOMBAY-13.

3-3-1986

79/Bom/86	Sarladevi Mitra & Bhaskar Prem Mitra	Solar energy using device named 'Surya Bann'.
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4-3-1986

80/Bom/86	Hindustan Lever Limited (U.K./8-3-1985)	Chemical Reactions.
81/Bom/86	Larsen & Toubro Limited	An improved pilfer-proof closure for sealing a container such as bottle and a container such as bottle having the same.

82/Bom/86	Rohit Harishchandra Parikh	Improvement and modifications in or relating to feeler bars used in textile industry.
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83/Bom/86	Atul Surendra Shah	Improved geyser gas operated Geyser for heating instantaneously hot water and the like fluids.
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84/Bom/86	Jagdish Chandra Parekh	Improves process for manufacturing multiply tissue paper and the like and a device for manufacturing said tissue paper by said process.
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6-3-86

85/Bom/86	Priyal Khanderao Kulkarni & Vijay Priyal Kulkarni.	Machine for breaking long loop steel shavings to small size for ease of transport.
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86/Bom/86	Capt. Sampatrao Marotirao Dhobhade	Mechanical Revolution retainer.
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7-3-86

87/Bom/86	Inarco Limited	An improved cot for-textile machines.
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10-3-86

88/Bom/86	Kabushiki Kaisha Toshiba	Color Cathode Ray Tube.
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89/B/86	Fritz Studer A.G.	A process for the manufacturing of articles, particularly of machine parts made of concrete polymer as well as the machine parts made of concrete polymer.
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90/Bom/86	M/s Vimal Industrial Products	V.I.P. Gharghanti cum mixture.
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11-3-86

91/Bom/86	The Standard Batteries Limited.	A level indicator for submarine storage batteries.
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	12-3-86	
92/Bom/86	Hindustan Lever Limited (U.K./14-3-85)	Laundry bars.
93/Bom/86	-do- (U.K./14-3-85)	Laundry bars.
	13-3-86	
94/Bom/86	Jayant Ganesh Vaidya	Static Phase Convertor.
95/Bom/86	-do-	Static frequency convertor

APPLICATIONS FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH,
61, WALLAJAH ROAD, MADRAS-600 002

10th March, 1986

- 160/Mas/86. V. A. Mohamed & B. M. H. Siraj. Manufacture of precast products using cement concrete or cement mortar or any such materials by vertical sinking method.
- 161/Mas/86. V. A. Mohamed. Improvements in or relating to the manner of manufacture and the structure of bricks and blocks for use in construction purposes.
- 162/Mas/86. V. A. Mohamed. Double mould system for the manufacture of precast cement products.
- 163/Mas/86. Union Carbide Corporation. Process for simultaneously dimerizing ethylene and copolymerizing ethylene with the dimerized product.
- 164/Mas/86. Diversified Products Corporation. Molded racquet with fibre core and method for making same. (March 12, 1985; Great Britain).
- 165/Mas/86. Atlantic Richfield Company. Reinforced ceramic cutting tools.

12th March, 1986

- 166/Mas/86. B. A. V. K. Sharma. The manufacture of sodium silicate by using caustic soda lye.
- 167/Mas/86. K. M. Moosa. Chocolate gum.
- 168/Mas/86. K. M. Moosa. Toffee gum.
- 169/Mas/86. EPOC Limited. Cross-flow filtration. (March 12, 1985; Great Britain).
- 170/Mas/86. Jeumont-Schneider. Apparatus for monitoring the period of separation of impulses.
- 171/Mas/86. Dana Corporation. Vehicle torque transfer gear assembly having different angled output shafts.
- 172/Mas/86. The Texas A & M University System. Method for producing a recombinant baculovirus expression vector. (Divisional to Patent Application No. 376/MAS/84).

13th March, 1986

- 173/Mas/86. Rajan Universal Exports (mfrs) Pvt. Ltd. A multipurpose hand tool.
- 174/Mas/86. Rajan Universal Exports (mfrs) Pvt. Ltd. A multipurpose hand too.
- 175/Mas/86. Raychem Corporation. Electrical devices comprising cross-linked conductive polymers.
- 176/Mas/86. Derwentside Laboratories Limited. Improvements in or relating to the production of cleaning solutions. (March 14, 1985; United Kingdom).
- 177/Mas/86. Derwentside Laboratories Limited. Improvements in or relating to the production of cleaning solutions. (March 25, 1985; United Kingdom).
- 178/Mas/86. Tula Silencers (Proprietary) Limited Exhaust Silencer. (November 21, 1985; Australia).

- 179/Mas/86. Dr. C. Otto & Comp. GmbH. Method of eliminating the thick tar accumulating in the cooling of coke-oven gas and plant for performing the method.

14th March, 1986

- 180/Mas/86. V. Thiagarajan. Siva gravity pump.
- 181/Mas/86. T. Muthu. Multi fuse carrier.
- 182/Mas/86. Gea Engngsystemtechnik GmbH & Co. A lock for trapping spherical cleaning members.
- 183/Mas/86. Aluminium Pechiney. Method and apparatus for decomposing sodium aluminate liquors without agitation to produce alumina.
- 184/Mas/86. AEPLC. Plain bearings.
- 185/Mas/86. Societe des Produits Nestle S.A. Cold soluble tea.
- 186/Mas/86. Chimica Del Friuli S.p.A. A method of preparing Lactams, in particular caprolactam.
- 187/Mas/86. The International Metals Reclamation. Furnacing.
- 188/Mas/86. AB Akerlund & Rausing. A method and a device for applying a surface layer onto a hollow profile.
- 189/Mas/86. British Steel Corporation. Improvements in or relating to outlet valves for metal containing vessels. (March 26, 1985; United Kingdom).

17th March, 1986

- 190/Mas/86. Klas Engineering Private Limited. Improvement over packing in aluminium bottles with an integral seal.
- 191/Mas/86. K. S. Balaji & K. Seshadri. An internal combustion engine.
- 192/Mas/86. Amsted Industries Incorporated. Railway coupler shank—follower interface.
- 193/Mas/96. Kabushiki Kaisha Toshiba. Electron Tube.
- 194/Mas/86. Wibara Halim. Bus construction for seat-bed transport and station therefor.
- 195/Mas/86. Caterpillar Tractor Co. Bearing race retention device and method.

18th March, 1986

- 196/Mas 86. N. N. Duraiswamy. An improved monobloc pumpset.
- 197/Mas/86. N. N. Duraiswamy. An improved bracket for a monobloc pumpset.
- 198/Mas/86. V. B. Ramnani. An improved wet grinder.
- 199/Mas/86. Lucas Industries Public Limited Company. Improvements in hydraulic anti-skid braking systems for vehicles. (March 23, 1985; United Kingdom).
- 200/Mas/86. Acme Resin Corporation. Process for preparing phenolic resin binders for foundry and refractory uses.
- 201/Mas/86. Allied Corporation. Coaxial cable termination.

202/Mas/86. BBC Brown, Boveri & Company Limited. Cast housing for medium-voltage switchgear.

20th March, 1986

203/Mas/86. Lucas Industries Public Limited Company. Automatic adjuster. (March 21, 1985; United Kingdom).

204/Mas/86. Akzo N. V. Process for the manufacturing of polyester industrial yarn and cord made from said yarn and elastomeric objects reinforced with said cord.

21st March, 1986

205/Mas/86. Kirloskar Electric Company Limited. A disc armature assembly for disc armature machines and a method of manufacturing the same.

206/Mas/86. Kirloskar Electric Company Limited. A disc alternator.

207/Mas/86. Trygve Eric Hvidsten. Cable splice closures.

208/Mas/86. Ralph Mullenberg. Conical stressing device.

209/Mas/86. Maschinenfabrik Rieter AG. Arrangement for transporting cans for textile material.

210/Mas/86. Robert E Willis. Intravaginal device.

ALTERATION OF DATE

157591. Ante-dated to 11th January, 1979. (335/Cal/82).

157596. Ante-dated to 9th August, 1978. (796/Cal/82).

157626. Ante-dated to 25th March, 1982. (160/Bom/84).

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 9F, 31A & B, 981.

157589

Int. Cl. : B 01 j 17/28; 17/38.

PROCESS FOR PRODUCING OPTIMIZED PHOTO-RESPONSIVE AMORPHOUS SEMICONDUCTOR FOR DEVICES.

Applicant : ENERGY CONVERSION DEVICES, INC., OF 1675 WEST MAPLE ROAD, TROY, MICHIGAN 48084, UNITED STATES OF AMERICA.

Inventors : 1. STANFORD ROBERT OVSHINSKY AND 2. DAVID ADLER.

Application No. 1001/Cal/81 filed on September 07, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A process for producing optimized photoresponsive amorphous semiconductor for devices said process comprising depositing on a substrate a silicon-based semiconductor containing germanium to reduce the energy band gap of the semiconductor and produce a desired spectral photoresponse, and fluorine, to reduce the density of electronically active states lying within the band gap of the alloy.

Compl. specn. 54 pages.

Drgs. 3 sheets.

CLASS : 32 F3d; 70C.

157590

Int. Cl. : B 01 k 1/00; C 07 c 45/00.

AN ELECTROCHEMICAL PROCESS FOR THE PREPARATION OF BENZANTHRONE AND DIOXOVIOL-ANTHRONE.

Applicant : CIBA-GEIGY A/G., KLYBECKSTRASSE 141, 4002 BASLE, SWITZERLAND.

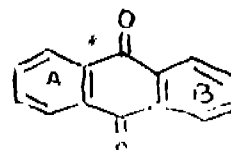
Inventors : 1. HORST JAGER, 2. ERIC PLATTNER, 3. JACQUES BERSIER AND 4. CHRISTOS COMNINELLIS.

Application No. 253/Cal/82 filed on March 04, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

An electrochemical process for the manufacture of benzanthrone in the cathode compartment and cations of transition metal salts or mixtures of transition metal salts being in a higher oxidation state in the anode compartment simultaneously which comprises carrying out said process in an electrolytic cell consisting of a cathode and an anode compartment which are separated by a diaphragm both compartments containing an acid having a $pK_a < 2$ in which acid, in the cathode compartment, an anthraquinone of the formula shown in Fig. 2 of the accompanying



drawings is dissolved and, in the anode compartment, a transition metal salt or mixtures of transition metal salts is dissolved or suspended electrochemically converting anthraquinone in the cathode compartment at a temperature between 50 and 150°C into the semiquinone form and reacting the latter with glycerol being added during electrolysis into

the cathode compartment in a molar ratio of 1: .1 to 1 : 2 to give benzanthrone of the formula shown in Fig. 3 of the drawings,

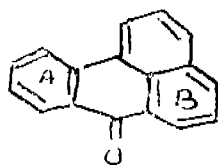


Fig. 3

in which benzene rings A and B can be substituted by C_1 - C_4 alkyl C_1 - C_4 alkoxy hydroxyl or halogen and simultaneously electrochemically converting in the anode compartment, the cations of the transition metal salt or mixtures of transition metal salts from a lower oxidation stage into a higher oxidation stage and isolating the products formed from the catholyte and anolyte.

Complete specn. 23 pages.

Drg. 1 sheet.

CLASS : 32 F₂ b; 55 F₄; 60 X₂d.

157591

Int. Cl. : A 61 k 27/00; C 07 d 27/04.

A METHOD OF PREPARING NOVEL 4-AMINO-5-ALKYLSULFONYL ORTHO-ANISAMIDES.

Applicant : SOCIETE D'ETUDES SCIENTIFIQUES ET INDUSTRIELLES DE L'ILE DE FRANCE, 46, BOULEVARD DE LATOUR-MAUBOURG, 75 PARIS 7, FRANCE.

Inventors : 1. MICHEL THOMINET, 2. JACQUES ACHER, AND 3. JEAN-CLAUDE MONIER.

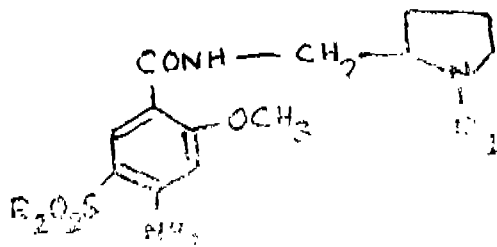
Application No. 335/Cal/82 filed on March 24, 1982.

Division of Application No. 31/Cal/79 dated 11th January, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

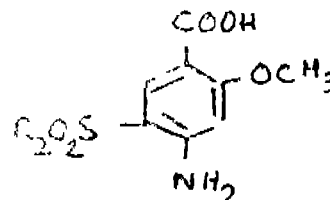
A method of preparing novel 4-amino 5-alkylsulphonyl ortho-anisamides of the formula (I) shown in the accompanying drawings



Formula I

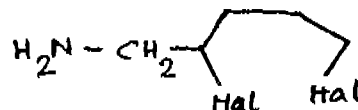
wherein R_1 represents a methyl, ethyl, propyl or allyl or group and R_2 represents a methyl, ethyl, propyl or isopropyl group, their salts of addition with pharmacologically acceptable acids and their levorotatory and dextrorotatory isomers which method comprises treating in a conventional manner

2-methoxy 4-amino 5-alkylsulphonyl benzoic acid of the formula (II) shown in the drawings,



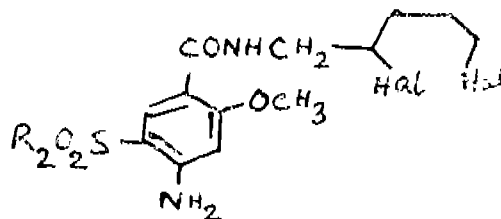
Formula II

wherein R_2 is as defined above, with a dihalopentylamine of formula (III) shown in the drawings,



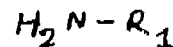
Formula III

wherein Hal represents a chlorine or bromine atom in the presence of a solvent such as herein described and then treating the resulting N-(2, 5-dihalopentyl) 2-methoxy 4-amino 5-alkylsulphonyl benzamide of the formula (IV) shown in the drawings



Formula IV

with an amine of the formula (V) shown in the drawings,



V

Formula V

wherein in Hal, R_1 and R_2 are as defined above at a temperature between room temperature and 50°C.

Compl. specn. 22 pages.

Drgs. 1 sheet.

CLASS : 70 A.

157592

Int. Cl. : H 01 m 17/00.

IMPROVED FILTER PRESS TYPE ELECTROLYTIC CELL.

Applicant : ASAHI GLASS COMPANY LTD., NO. 1-2, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. OSAMU SHIRAGAMI, 2. TOSHIHIKO KUNO, 3. YASUO SAJIMA, 4. KOHJI SAITO, 5. JUNJIRO IWAMOTO AND 6. TAKAHIRO UCHIBORI.

Application No. 420/Cal/82 filed on April 16, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

An improved filter press type ion exchange membrane electrolytic cell comprising an anode compartment and a cathode compartment partitioned by a cation exchange membrane and being useful for obtaining a halogen, hydrogen and an alkali metal hydroxide from an alkali metal halide aqueous solution, or oxygen and hydrogen from an aqueous alkaline solution, characterized by :

- (a) an anode compartment frame and a cathode compartment frame, each having an opening at its center constituting the anode compartment or the cathode compartment and four holes in the vicinity of its corners constituting passages for (1) an alkali metal halide aqueous solution or an aqueous alkaline solution (2) a depleted brine and a halogen gas, or an aqueous alkaline solution and an oxygen gas, (3) an alkali metal hydroxide aqueous solution and (4) an alkali metal hydroxide aqueous solution and a hydrogen gas, the former two holes being in communication with the opening constituting the anode compartment, and the latter two openings being in communication with the opening constituting the cathode compartment,
- (b) a cation exchange membrane having four holes at positions corresponding to the four holes provided on the anode compartment frame and the cathode compartment frame, or a cation exchange membrane having no such four holes and being smaller than said compartment frame but slightly larger than said openings of the compartment frames,
- (c) an anode and a cathode having no four holes and being slightly larger than the openings of the anode compartment frame and the cathode compartment frame and smaller than the compartment frames,

wherein a unit comprising said cathode compartment frame and said cathode disposed on each side thereof and a unit comprising said anode compartment frame and said anode disposed on each side thereof are alternately arranged via said cation exchange membrane, or

wherein a unit comprising said anode and said anode compartment frame disposed on one side or each side thereof and a unit comprising said cathode and said cathode compartment frame disposed on one side or each side thereof are alternately arranged via said cation exchange membrane.

Compl. specn. 41 pages,

Drgs. 4 sheets.

CLASS : 35 C.

157593

Int. Cl. : C04 b 7/00; 7/36.

AN INSTALLATION FOR PRODUCING CEMENT CLINKER.

Applicant : FIVES-CALL BABCOCK, 7 RUE MONTALIVET, 75383, PARIS, CEDEX 08, FRANCE.

Inventor : PAUL COSAR.

Application No. 430/Cal/82 filed on April 19, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

An installation for producing cement clinker from finely divided dry raw material which comprises a rotary kiln having an inlet for the raw material and a gas exhaust, multi-stage heat exchange means connected to the gas exhaust for preheating the dry raw material in contact with gas exhausted from the kiln, a calcination stage connected to the heat exchange means for calcining the preheated raw material before it is delivered to the rotary kiln, characterised by means for burning a solid fuel to produce a combustible gas, a conduit connecting the solid fuel burning means to the calcination stage, the conduit having a vertical portion with a lower end connected to the solid fuel burning means

whereby the combustible gas passes in an upward draft through the vertical portion, and a raw material distributor means for dividing the raw material into two fractions, the distributor means having an outlet connected to the lower end of the vertical conduit portion for delivering one of the raw material fractions into the vertical conduit portion whereby the said one raw material fraction is suspended in the upward draft of the combustible gas before it is delivered to the calcination stage.

Compl. specn. 15 pages.

Drg. 1 sheet.

CLASS : 39 J; 139A.

157594

Int. Cl. : C 01 b 21/06; 31/06.

IMPROVED PROCESS FOR MAKING DIAMOND AND CUBIC BORON NITRIDE COMPACTS.

Applicant : GENERAL ELECTRIC COMPANY, 1 RIVER ROAD, SCHENECTADY 5, NEW YORK, UNITED STATES OF AMERICA.

Inventor : PAUL DONALD GIGL.

Application No. 613/Cal/82 filed on May 27, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

In a process for preparing a cubic boron nitride and diamond compact which comprises :

A. Subjecting a mass of abrasive crystals selected from the group consisting of diamond, cubic boron nitride and mixtures thereof, which mass is in contact with a source of metallic catalyst solvent such as herein described for recrystallization of the abrasive crystals, to conditions of temperature, pressure and time which result in a compact having intercrystal bonding between adjacent crystal grains;

B. recovering by known methods the compact produced; and

C. removing by known methods substantially all of the metallic phase from the compact of step B;

the improvement which comprises :

(i) forming a compact with a sub-divided crystal mass by embedding by a conventional method within the mass of abrasive crystals at least one metallic partition strip such as herein described of a given shape subdividing the abrasive crystal mass before the mass is subjected to the temperature and pressure conditions of step A, which partition strip is characterized by having segregation between the separate portions of the abrasive crystal mass throughout step A and being sufficiently pliable not to resist the compaction of the abrasive crystal mass; and

(ii) recovering by known methods a compact in step C having a shape described at least in part by the partition strip.

Compl. specn. 20 pages.

Drg. 1 sheet.

CLASS : 85 B.

157595

Int. Cl. : F 27 d 5/00.

SUPPORT ASSEMBLY FOR STEEL PRODUCTS IN A STEEL-MAKING FURNACE.

Applicant : STEIN HEURTEY OF Z. A. A. I. DU BOIS DE L'EPINE, 91130 RIS ORANGIS, FRANCE.

Inventor : MICHEL DENIS.

Application No. 770/Cal/82 filed on July 01, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A support assembly for steel products in a steel-making furnace, comprising :

a water-cooled support extending horizontally in said furnace; and

at least one stud projecting upwardly from and mounted on said support for spacing said products from said support while carrying said products in said furnace, said stud characterized by :

an upwardly extending cylindrical body having a base secured to said support, an upper part adapted to underlie said products and spaced from said base, and an outwardly peripheral recess extending from said base to said upper part but terminating below a contact surface between said upper part and said products, and

a cylindrical insulating envelope composed of fibrous material received in said recess and having substantially the same outer diameter as said upper part.

Compl. specn. 8 pages.

Drg. 1 sheet.

CLASS : 131 B.

157596

Int. Cl. : E 21 d 20/02.

AN INORGANIC GROUTABLE MATERIAL FOR USE IN ANCHORING A BOLT IN A HOLE.

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventors : 1. DAVID LINN COURSEN AND 2. ERNST ALOIS TOMIC.

Application No. 796/Cal/82 filed on July 09, 1982.

Division of Application No. 871/Cal/78 dated 9th August 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A groutable material made up of reactable and thereby hardenable inorganic components and capable of forming a hardened grout on reaction around a reinforcing member in a hole thereby anchoring said reinforcing member in said hole, said components comprising,

(a) an acidic reactive component comprising at least one acidic oxy-phosphorus compound selected from the group consisting of phosphoric acids, anhydrides of phosphoric acids, and salts of phosphoric acids with multivalent metal cations such as herein described;

(b) a basic reactive component comprising at least one particulate basic metal compound of a Group II or Group III metal capable of reacting with the said oxyphosphorus compound in the presence of water to form a monolithic solid; and

(c) an aqueous component as herein described, preferably water, the components being present in or outside a hole in a separated condition preferably in at least two different compartments in a tangible compartment package such that any substantial hardening reaction between the acidic and basic components is prevented, and when present outside the hole being adapted to be delivered into the hole separately or in a freshly combined condition; the basic metal compound(s) having a particle surface area of up to 40 square meters preferably less than 30 square meter;

per gram and constituting about from 5 to 35 percent of the total weight of the grouting composition, with the proviso that when the particles of the basic metal compound(s) have a surface area of less than 1 square meter per gram

more than about 90 percent of the particles pass through a 200 mesh screen; the ratio of the moles of the basic metal compound(s) to the moles of phosphorus pentoxide on which the oxy phosphorus compound(s) are based being in the range of about from 2/1 to 17/1; the amount of water present in the composition constituting about from 3 to 20 percent of the total weight of the grouting composition; a particulate aggregate such as non-uniform sand being also present in the composition in an amount such as to constitute about from 30 to 70 percent of the total weight of the composition; and the components, when mixed, reacting without the application of heat thereto to form a hardened grout having a pull strength of at least about 175 kilograms per centimeter of anchoring length within an hour.

Compl. specn. 43 pages.

Drg. 1 sheet.

CLASS : 116C.

157597

Int. Cl. : B 65 g 21/00.

A DEVICE FOR PREVENTING A FLEXIBLE TUBULAR BELT FROM TWISTING FOR USE IN A TUBULAR BELT CONVEYOR.

Applicant : JAPAN PIPE CONVEYOR CO. LTD., 1-1, 1-CHOME, SAKAIMACHI, KOKURAKITA-KU, KITA-KYUSHU-SHI, FUKUOKA-KEN, JAPAN AND HARUO OKAZAKI OF 1-2-20 MIYANO-MACHI, YAHATA-HIGASHI-KU, KITA-KYUSHU, FUKUOKA-KEN, JAPAN.

Inventor : KUNIO HASHIMOTO.

Application No. 819/Cal/82 filed on July 16, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

A device for preventing a flexible tubular belt from twisting, for use in tubular belt conveyer wherein a flexible tubular belt is extended between first and second rollers, positioned at a certain distance away each other, on which the tubular belt is opened, and wherein the belt moving between the two rollers in the tubular form is supported by seats of support rollers which are radially arranged around the peripheries of the belt in contact therewith and are rotatably mounted to support frames, the improvement comprising means which varies an angle of a correction roller extending in a direction substantially perpendicular to the going direction of the belt in contact therewith.

Compl. specn. 32 pages.

Drgs. 7 sheets.

CLASS : 40 B.

157598

Int. Cl. : B 01 j 11/00.

A PROCESS OF PREPARING A NEW CATALYTIC SYSTEM FOR POLYMERISING CONJUGATE DIOLEFINS.

Applicant : FNOXY CHIMICA S.p.A., OF VIA MILLE 9/C, SASSARI, ITALY.

Inventors : 1. ANTONIO CARBONARO, 2. DOMENICO FERRARO AND 3. MARIO BRUZZONE.

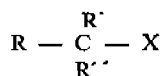
Application No. 1035/Cal/82 filed on September 07, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

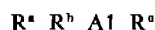
A process of preparing a new catalytic system for polymerising conjugate diolefins comprising,

- (a) at least one carboxylate or alcoholate of a group III B metal of the periodic system of elements having an atomic number of between 21 and 103;
- (b) an organic halogen derivative of general formula :



in which X is Cl or Br; R is H, alkyl, aryl, alkylaryl, chloro or bromo alkyl, alkoxy or epoxy; R' is alkyl, aryl, H, Cl or Br; R'' is alkyl, aryl, vinyl, chloro or bromo alkyl, chloro or bromo aryl, Cl or Br; or R' + R'' is oxygen, or saturated or unsaturated cycloalkyl; if R=R'=H, then R'' is only of aromatic nature;

C one or more organometallic aluminium compounds not containing halide ions, of formula;



in which R^a and R^b, which can be the same or different, are a saturated hydrocarbon radical, and R^c is hydrogen or a hydrocarbon radical which can be the same as or different from R^a or R^b;

the said catalytic system being prepared by mixing said components a), b) and c) either in the absence or in the presence of the monomer or the mixture of monomers to be polymerised, either in the absence or in the presence of a hydrocarbon solvent chosen preferably from aliphatic or cycloaliphatic solvents or their mixtures, the molar ratios of the said components being b) to a) greater than or equal to 0.33, preferably between 0.5 and 3 and c) to a) greater than 20, preferably between 30 and 200.

Compl. specn. 14 pages.

Drg. Nil.

CLASS : 32F₂(b)

157599

Int. Cl. : C 07 d 5/00.

PROCESS FOR THE SYNTHESIS OF ISOSORBIDE MONONITRATES.

Applicant : SOCIETE NATIONALE DES POUDRES ET EXPLOSIFS, OF 12, QUAI HENRI IV-75181 PARIS CEDEX 04, FRANCE, A FRENCH COMPANY.

Inventor : JEAN-MARIE EMEURY & ERIC WIMMER.

Application for Patent No. 113/Del/1982 filed on 11th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims

Process for the synthesis of isosorbide mononitrates, characterised in that isosorbide dinitrate is denitrated by means of a hydrazine derivative of the kind such as herein described in a polar solvent medium of the kind much as herein described.

Compl. specn. 17 pages.

Drg. 1 sheet.

CLASS : 143 D.

157600

Int. Cl. : B 65 b 17/00.

A CHUTELESS APPARATUS FOR FORMING A LOOP OF FLEXIBLE BINDING AROUND AN OBJECT.

Applicant: SIGNODE CORPORATION, A DELAWARE CORPORATION, OF 3600 WEST LAKE AVENUE, GLENVIEW, ILLINOIS 60025, UNITED STATES OF AMERICA.

INVENTORS : LEO PETER SAUER AND RONALD WILLIAM GURAK.

Application for Patent No. 114/Del/1982 filed on 11th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A chuteless apparatus for forming a loop of flexible binding about an object positioned on an object receiving platform, said apparatus having gripping members for restraining an end of said binding, adjacent said receiving platform, a carrier for pulling a trailing portion of the binding in one direction in a closed path around said object, a sealer for sealing the loop, and cutter for then severing the sealed loop from the rest of the binding, said apparatus characterized by the improvement comprising :

controls and mechanisms constituted by said carrier having at least a pair of rollers, said rollers being mounted on a multiple strand chain, said chain in turn being mounted around said package receiving platform on a plurality of spaced-apart sprockets, said sprockets including at least a pair of upper corner sprockets and at least a pair of lower corner sprockets, said controls and mechanisms being adapted for continuing said pulling of trailing portion of said binding in said direction after binding the object while restraining the severed end of the trailing portion of said binding, adjacent said receiving platform said controls and mechanisms being capable of pulling the trailing portion of said binding through a major portion of the locus of said closed path in a direction opposite to earlier said direction around said receiving platform and being capable of initiating said pulling of the trailing portion of said binding in the said opposite direction prior to removal of the bound object from said receiving platform, guide members for temporarily guiding spaced portions of said trailing portion of said binding from the interior of said path around said receiving platform to temporarily retain the binding in a configuration spaced outwardly of said receiving platform for a major portion of the locus of said closed path, said guide members being pivotably mounted on a plate of an actuator, said actuator being capable of initiating the positioning of said guide members to retain said binding spaced outwardly of said receiving platform after said object is bound and maintaining the binding retaining position of said guide members to retain the binding in the outwardly spaced configuration at least until the replacement of the bound first object in said receiving platform with a second unbound object.

Compl. specn. 26 pages.

Drg. 5 Sheets.

CLASS : 82

157601

Int. Cl. : B 63 b, 35/16.

"DEVICE FOR FISHING BY TRAWL-LINE, AND A PULLEY AND DRIVING MECHANISM RELATING TO IT."

Applicant : ATELIERS ET CHANTLERS DE LA MANCHE, OF 29 RUE DE MARGNANA, 75008 PARIS, FRANCE, A FRENCH COMPANY AND GROUPEMENT D'ETUDES ET DE RECHERCHES NAVALES OF ANSE DU LIN 29-183-CONCARNEAU, FRANCE, A FRENCH COMPANY.

Inventors : OLIVER DE LA ROCHE WERANDRAON AND PAUL REGNIER.

Application for Patent No. 129/Del/1982 filed on 17th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

17 Claims

A device for trawl-line fishing employing a trawl-line in the form of closed loop composed of a main line having attached thereto at spaced intervals a number of individual lines each carrying at its end a fish-hook, said trawl-line being connected to and extending from a boat, said device comprising an undersea tackle to which said trawl-line is connected, said tackle being adapted to be dragged through the sea by the movement of said boat, said tackle incorporating means for braking its forward movement through the sea thereby ensuring that said trawl-line is deployed in a direction astern of said boat, said trawl-line being delivered by drive means provided on said boat and engaging return means provided on said undersea tackle whereby said trawl-line to pass there through without said individual drive means and said return means being adapted to permit said trawl-line to pass there through without said individual lines and any fish caught thereon being snarled in or damaged by said drive means or said return means.

Compl. specn. 20 pages.

Drg. 4 Sheets.

CLASS : 47 E

157602

Int. Cl. : C 10 b 47/10 & C 10 b 5/06.

A COKE OVEN.

Applicant : WSW PLANUNGS-GMBH, OF RIPHAU-SHOF, 4355 WALTROP, FEDERAL REPUBLIC OF GERMANY, A COMPANY ORGANIZED UNDER THE LAWS OF FEDERAL REPUBLIC OF GERMANY.

Inventor : WILHELM STOG.

Application for Patent No. 135/Del/1982 filed on 18th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

17 Claims

A coke oven having opposed open ends and doors which close off the open ends, each door comprising a door body and a coking plate located inwardly of the door body and held in spaced relationship thereto by means of spacing members, the coking plate consisting of individual overlapping shields.

Compl. specn. 21 pages.

Drg. 9 sheets.

CLASS : 188

157603

Int. Cl. : C 23 c 17/00.

AN IMPROVED PROCESS FOR IMMERSION COATING OF STEEL SUBSTRATES WITH COPPER.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (XXI OF 1860).

Inventor : BALKUNJE ANANTHA SHENOI, SUBBIAH JOHN, NANDAGOPAL VARADAPPA SHANMUGAM, KUMANDUR NARAYANA SRINIVASAN AND MARIAPPAN SELVAM.

Application for Patent No. 139/Del/1982 filed on 19th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

An improved process for immersion coating of steel substrate with copper comprising polishing, buffing degreasing, alkaline cleaning acid pickling and immersing the

same in an aqueous bath characterised in that the aqueous bath contains 10-30 g/l of copper sulphate, 20-50 g/l of sulphuric acid, 10-30 g/l of sodium chloride and 0.1 to 1.0 g/l of an additive compound like hydroxy quinoline, barbituric acid, tetramethyl ammonium chloride or tetra-n-butyl ammonium iodide.

Complete specification 5 pages.

CLASS : 68D & 48D

157604

Int. Cl. : H 02 j 3/00.

A SAFE SUPPLY DISTRIBUTOR FOR OVERHEAD INSTALLATIONS OF ELECTRIC DISTRIBUTION.

Applicant : SULTAN SINGH JAIN, B-63, SHANTI-NAGAG, ROORKEE DISTRICT SAHARANPUR, UTTAR PRADESH, INDIA, INDIAN NATIONALITY.

Inventor : SULTAN SINGH JAIN.

Application for Patent No. 144/Del/1982 filed on 22nd February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

1 Claim

A safe Supply Distributor for Over-head Installations of electric Distribution for switching off the electric supply on breaking of a main line phase wire passing through it, comprising a fixed shackle insulator (12B) bolted on a frame (6), a movable shackle insulator (12A) fitted to one end of a rod (11) passing through a pair of spaced apart bearings (1A, 1B) provided on the said frame, said movable shackle insulator being at the end of the frame remote from the said fixed shackle insulator, the said rod (11) also passing through bearing (1c) provided in an L-shaped strip (14), the said L-shaped strip (14) being located between the bearing (1B) remote from the movable shackle insulator (12A) and fixed shackle insulator (12B), the said L-shaped strip (14) being movably mounted on said rod (11), a first spring (13A) provided between the bearing (1A) adjacent to the movable shackle insulator and a first washer (16A) fixed on the rod (11) between the said bearings (1A, 1B), a second spring (13B) provided at the other rod (11), a convex shaped conducting strip (4) fixed on an insulator block (7A) fitted on said bearing (1B) remote from the movable shackle insulator (12A), a complementary concave shaped conducting strip (3) fixed on an insulator block (7B) fitted on said L-shaped strip (14), said convex and concave shaped conducting strips facing each other, the arrangement being such that the said conducting strips are spaced apart where there is a break in the main line wire and such that the said conducting strips engage each other when there is no break in the said main line wire, the convex conducting strip (4) being connected to the movable shackle insulator (12A) by an insulated flexible wire, the concave conducting strip (3) being connected to the fixed shackle insulator (12B) by another insulated flexible wire, means being provided on said fixed and movable shackle insulators to secure main line wires on said shackle insulators under tension.

Compl. specn. 6 pages.

Drg. 1 Sheet.

CLASS : 5 D, B

157605

Int. Cl. : A 01 g 25/02.

A DRIP-IRRIGATION EMITTER FOR MOUNTING ON A LIQUID SUPPLY CONDUIT.

Applicant : MARC DUMONT, A FRENCH CITIZEN, OF 4, PLACE DE L'AIGOUAL, 31770 COLOMIERS, FRANCE.

Inventor : DUMONT MARC.

Application for Patent No. 148/Del/1982 filed on 23rd February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims

A drip-irrigation emitter for mounting on a liquid supply conduit perforated with a suitable orifice, said emitter comprising :

a body having an inside chamber opening to either side of said body through a liquid intake aperture and a liquid discharge aperture, said body being externally provided at its periphery with means for fixing said body to said conduit, an elastic membrane positioned within said chamber so as to divide it into upstream and downstream compartments from which issue respectively said intake aperture and said discharge aperture, said downstream compartment being bounded by a wall of said body converging from the rim of said membrane toward the discharge aperture and designed during deformations, said membrane being in the shape of a solid disk of elastic material and separating over its entire area said upstream compartment from said downstream compartment, said membrane being kept in place at its periphery in such a manner that it may deform progressively under an increasing pressure between first and second positions, said first position being that of said membrane at rest wholly detached from the converging wall, the second position being that wherein said membrane rests substantially against the entire surface of said convergent wall, said convergent wall containing at least one flow channel issuing in the downstream compartment and extending from the rim of said membrane towards said liquid discharge aperture whereby said channel is covered by the elastic membrane over a variable length depending on its deformation, from zero length covered for said first position in which the membrane is separated from said convergent wall to a maximum covered length corresponding to said second position wherein the membrane rests against the entire surface of said convergent wall said at least one flow channel connecting at said membrane to a duct in said body and issuing into its upstream compartment.

Compl. specn. 20 pages.

Drg. 2 sheets.

CLASS : 172 C.

157606

Int. Cl. : D 01 g 15/00.

CARDING MACHINE.

Applicant : HOLLEGSWORTH GMBH. OF 7265 NEUBULACH 5, WEST GERMANY. A GERMAN COMPANY.

Inventors : JOACHIM FINSTERBUSCH, WALTER LOFFLER & KARLHEINZ SCHMOLKE.

Application for Patent No. 158/Del/1982 filed on 25th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A carding machine having a main cylinder with saw-tooth wire wound there around and at least three carding elements each comprising a plurality of saw-tooth wire sections arranged in parallel relationship on a fixed support and forming a card clothing cooperating with said main cylinder, characterised in that the saw-tooth wire sections of a first and a second of said carding elements are positioned of an acute angle with respect to a diameter plane such as herein defined of said main cylinder with the pitch of the wire sections of said first carding element in a direction opposite to that of the pitch of the wire sections of said second carding element, and wherein the saw-tooth wire sections of a third said carding element are positioned parallel to said diameter plane of said main cylinder.

Compl. specn. 11 pages.

Drg. 3 Sheets.

CLASS 32 E

157607

Int. Cl. : C 08 f 1/00.

PROCESS FOR PREPARATION OF POLYMERIC SUBSTANCE OR A LIQUID PRODUCT CONTAINING POLYMERIC SUBSTANCE.

Applicant : TOYO ENGINEERING CORPORATION, A JAPANESE CHEMICAL CORPORATION, OF 2-5, KASUMIGASEKI 3-COME, CHIYODA-KU, TOKYO, JAPAN.

Inventor : TOSHIHIKO HIROSE, TETSUO MAEDA & YASUHIITO SAKAKIBARA.

Application for Patent No. 170/Del/1982 filed on 2nd March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A process for the preparation of a polymeric substance or a liquid product containing a polymeric substance, which comprises at least two unit steps of polymerizing a polymerizable monomer or a mixture of at least two monomers copolymerizable with each other at a temperature higher than 55°C in the presence of an additive to be added according to need, to prepare a polymeric substance or a liquid product containing a polymeric substance, said process being characterized in that cold heat obtained by an absorption type refrigerating method using polymerization heat generated at the polymerization and/or remaining heat from other unit step as the heat source is utilized as the cold heat source for at least one other unit step that should be cooled below the normal temperature.

Compl. specn. 25 pages.

Drg. 1 sheet.

CLASS : 85C

157608

Int. Cl. : F 23 k 3/02.

A DEVICE FOR CONTROLLING HEAT TRANSFER TO THE CHARGE BED IN A ROTARY KILN.

Applicant : DAVY McKEE (STOCKTON) LIMITED, STOCK-TON-ON-TEES, ENGLAND TS18 3RE, A UNITED KINGDOM INCORPORATED COMPANY.

Inventor : ALAN CHRISTOPHER BAKER, GEOFFREY NIGEL BOULTER, THOMAS WESSON GOODELL, JAMES ALLEN KENNELLEY & DANIEL HOWARD WILBERT.

Application for Patent No. 219/Del/1982 filed on 17th March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A device for controlling heat transfer to the charge bed in a rotary kiln directly reducing materials containing metal oxides using a solid carbonaceous reducing agent comprising a rotary kiln having a chargefeed end and a discharge end and adapted to receive a bed having a preheat zone extending over about the first one-third of the kiln length from the charge feed end and a working zone extending over at least the last one-third of the kiln length from the discharge end : means for creating at least two streams of the reducing agent in particulate form; means for directing the two streams through the discharge end of the kiln to deposit the stream particles over the surface of the charge bed in the kiln and means for adjusting the direction and rates of feeding of the two streams such that one stream deposits particles of reducing agent along the surface of the charge bed at

least as far as the preheat zone and the other stream deposits particles principally over the gas/bed interface in the working zone of the kiln.

Compl. specn. 39 pages.

Drg. 3 Sheets.

CLASS : 129 G

157609

Int. Cl. : B 05 b 13/00; B 05 c 5/00.

DEVICE FOR COOLING THE BITS OF CONTINUOUS MINING MACHINE.

Applicant: VOEST-ALPINE AKTIENGESELLSCHAFT, A-1011 VIENNA, FRIEDRICHSTRASSE 4, AUSTRIA.

Inventors : 1. ALFRED ZITZ, 2. OTTO SCHETINA, 3. HERWIG WRULICH.

Application No. 562/Cal/82 filed on May 20, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

Device for cooling the bits (1) of a continuous mining machine comprising a nozzle (22), arranged at the area of the bit (1), for the cooling water to be ejected under pressure and to which nozzle the water supply can be interrupted by means of a shutoff valve (7), the bit (1) being supported on the bit holder (2) for limited axial shifting movement under the action of the cutting pressure against a restoring force provided by the force of a spring (5) and the water pressure and the shutoff valve (7) being coupled with the bit by a coupling member (9) such that it opens on a shifting movement of the bit in direction (4) of the cutting pressure, characterised in that an adjustable abutment (30, 31) being provided which provides support to the spring (5) and which is adapted to be fixed in position during operation so as to rate the restoration force acting on the bit (1) against the cutting pressure such that the restoration force is only overcome with a uniaxial cubic compression strength of the rock to be cut of at least 20N/mm².

Compl. specn. 10 pages.

Drg. 1 sheet.

CLASS : 146 D3

157610

Int. Cl. : G 01 m 11/00.

IMPROVED SYSTEM FOR OPTICAL PATTERN RECOGNITION FOR READING OUT LINE PATTERNS OF ARBITRARY SHAPE ORIENTATION AND LOCATION FROM A PATTERN CARRYING MEDIUM.

Applicant : GENERAL ELECTRIC COMPANY, 1 RIVER ROAD SCHENECTADY 5, NEW YORK, UNITED STATES OF AMERICA.

Inventors : 1. WILLIAM MASAITIS, 2. ROBERT OWEN CANADA.

Application No. 1087/Cal-82 filed on September 20, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

An improved system for optical pattern recognition for reading out a succession of unknown, discrete line patterns approximately conforming to an expected pattern size, spacing and line width respectively and disposed in approximately alignment along a predetermined path on a pattern-carrying medium, each of said unknown patterns being selected from at least one set of known, mutually different patterns

said system comprising :

means for illuminating said medium;

means for sensing light reflected from a progressively advancing area along said path to generate a plurality of output signals, each of said path to generate a plurality of output signals, each of said output signals having an amplitude which corresponds at any given moment to light reflected from a single area element of the pattern-carrying surface of said medium within said progressively advancing area;

means for periodically sampling said output signals;

means for deriving status indications from said sampled output signals representative of the presence or absence respectively of a pattern line in respective ones of said area elements;

storage means;

means for mapping said unknown patterns by storing said status indications at appropriate addresses in said storage means, said stores status indications jointly representing said unknown patterns on an imaginary grid matrix whose matrix elements correspond to said area elements of said medium surface;

means for performing a running count of line-present indications in said status indications derived from successively sample output signals;

means for detecting peaks in said count;

means for selecting peaks from said detected peaks in accordance with the expected locations of said unknown pattern maps on said grid matrix;

means for defining limited portions of said grid matrix each including one of said expected locations and containing an unknown pattern therewithin;

means for successively reducing the area of each of said grid matrix portions until the locations of the unknown pattern therein is precisely defined in said grid matrix;

means for identifying each of said unknown patterns relative to said known patterns including;

means for performing successive element-by-element comparisons of the map of each unknown pattern with the map of each known pattern of said set to determine identities between correspondingly located elements thereof, each of said elements having a definable location on said grid matrix;

means for performing successive element-by-element comparisons of said identical elements with the elements thereof, each of said elements having a de- each known pattern of said set to determine identities between correspondingly located elements thereof;

means for determining the largest correlation figure obtained by said last-recited comparisons for different patterns of said set; and

means for indicating the known pattern relative to which said largest correlation figure was obtained.

Compl. specn. 44 pages.

Drg. 10 Sheets.

CLASS : 159 A

157611

Int. Cl. : B 611 27/00.

CONTROL SYSTEM FOR CONTROLLING THE PASSAGE OF VEHICLES.

Applicant : BRITISH RAILWAYS BOARD, 222 MARYLEBONE ROAD, LONDON N.W.1, ENGLAND.

Inventor : MICHAEL SAMBROOK BIRKIN.

Application No. 1153/Cal/82 filed on October 05, 1982.

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A control system for controlling the passage of vehicles, of the kind in which the vehicles are authorised to pass through a restricted section by means of a unique token which is passed from a control point to a vehicle prior to entering said section and returned to a control point upon leaving said section, characterized in that a central control and each vehicle in use in the system is provided with electronic transmitting and receiving equipment, by which an exclusive electronic token, or the like, is transmitted between the control and a designated vehicle, the arrangement being such that, only if the electronic token is issued to a vehicle will that vehicle be authorised to proceed, said electronic token being withdrawn by the central control once the restricted section to which it relates has been transversed by said vehicle.

Compl. specn. 12 pages.

Drg. 9 sheets.

CLASS 146 E.

157612

Int. Cl. B 23 p 25/00.

A METHOD FOR ALTERING THE EMISSION COEFFICIENT OF A SURFACE OF A WORKPIECE WITH SURFACE FLAWS.

Applicant : ELKEM A/S, OF MIDDELTHUNSGATE 27, OSLO 3, NORWAY.

Inventors : 1. SVEIN RUNE HALSOR AND 2. MAGNAR KARE STORSET.

Application No. 1334/Cal/82 filed on November 15, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A method for altering the emission coefficient of a surface of the workpiece with a liquid so as to alter the emission coefficient of a surface of the workpiece with surface flaws comprising moistening the emission coefficient thereof, heating the workpiece and scanning the moistened and heated surface by an infra-red emission pyrometer.

Compl. Specn. 9 pages. Drg. 2 sheets.

CLASS : 77 B.

157613

Int. Cl. B 01 d 11/02.

A PROCESS FOR SIMULTANEOUSLY EXTRACTING LIPIDS AND POLYPHENOLS FROM DEHULLED FLAKE) SUNFLOWER SEEDS.

Applicant : E.N.I. ENTE NAZIONALE IDROCARBURI, P. LE E MATTEI 1, ROME, ITALY.

Inventors : 1. ROCCO COSTANTINO, 2. AMALIA ASOGNA AND 3. GIANCARLO SODINI.

Application No. 1347/Cal/82 filed on 19th November, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process for simultaneously extracting liquids and polyphenols from dehulled flaked sunflower seeds, wherein the substrate, as herein described are subjected to extraction in a single extraction step with a 2-phase solvent system consisting of a water-immiscible hydrocarbonaceous solvent and an aqueous solution of ethanol, wherein the volume of the hydro-

carbonaceous solvent represents from 40% to 70% by volume of the total volume of the mixture, the volume of the combination of ethanol and water represents from 60% to 30% by volume of the total volume of the mixture, with a mutual variable volume ratio of ethanol to water of from 95:5 to 50:50.

Compl. Specn. 11 pages. Drg. nil.

CLASS : 136C.

157614

Int. Cl. B 28 b 5/00.

AN EXTRUSION MACHINE FOR MAKING ELONGATED ARTICLES OF CONCRETE.

Applicant : DY-CORE SYSTEMS IRELAND LIMITED, FERRY HOUSE, 48-53 LOWER MOUNT STREET, DUBLIN 2, EIRE.

Inventor : CHRISTOPHER BRIAN BUNN.

Application No. 1354/Cal/82 filed on 19th November, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

An extrusion machine for making elongated articles of concrete by forcing the concrete through a mold, the article having a relatively large core, the machine being moved forwardly by reaction as the concrete is forced against the mold- ed concrete, a rotatable spiral conveyor in and extending longitudinally of the mold for moving the concrete through the mold;

a non-rotatable forming element in the mold to form the internal cavity immediately following the downstream end of the conveyor, the forming element having

(a) its lower edge is positioned so that not more than 10% of the forming element is below the lower edge of the conveyor, the lower edge and lower sides of the element being free of any substantial ramp;

(b) its longitudinal center line higher than the center line of the conveyor and

(c) a ramp extending upwardly from the downstream end of the conveyor,

the conveyor forcing the concrete over the forming elements to form the concrete article.

Compl. Specn. 12 pages. Drg. 1 sheet.

CLASS : 5 E.

157615

Int. Cl. A 01 c 7/02.

A 4-ROW SPROUTED PADDY SEEDING MACHINE.

Applicant : VIRENDRA KUMAR TEWARI AND RANJIT KANTI DATTA (BOTH INDIANS) OF AGRICULTURAL ENGINEERING DEPARTMENT AND REGISTRAR OF INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR (AUTONOMOUS BODY OF CENTRAL GOVERNMENT) AT KHARAGPUR TECHNOLOGY POST DISTRICT MIDNAPORE, WEST BENGAL.

Inventors : 1. V. K. TEWARI AND 2. R. K. DATTA.

Application No. 1368/Cal/82 filed on 24th November, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

A sprouted paddy sowing machine comprising a primary and a secondary hopper with regulating shutters in-between, inclined handle for operation and two travelling wheels with ground gripping arrangements, a chain and sprocket arrangement fitted with one of the wheels for driving a metering mechanism of spoonfed type comprising of a metering shaft carrying at least a metering disc on which spoons cups with handles fitted thereon and a delivery funnel, a delivery tube and a shoe-type of furrow opener.

Compl. Specn. 5 pages. Drg. 1 sheet.

CLASS : 187 G.

157616

Int. Cl. H 03 f 3/26.

SWITCHING AMPLIFIER.

Applicant : BBC BROWN, BOVERI & COMPANY, LTD., OF BADEN, SWITZERLAND.

Inventors : 1. ANDREAS FURRER AND 2. JOHANN MILAVEC.

Application No. 1390/Cal/82 filed on November 29, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A switching amplifier, containing a signal converter (10), which converts an analog input signal into at least one sequence of pulses, and two or more switching stages (21, 22, 23, 24), each possessing a transformer (31, 65), it being possible to connect the primary windings (30; 64) of these transformers, by means of two or more controllable switching elements (34, 35; 58, 59, 61, 62), to a supply-voltage source (36, 37), and their secondary windings (43; 76) being separated from the primary windings in a manner such that no conductive connection exists between them, as well as containing a control transformer (37; 51) for the switching elements, the primary winding (38; 52) of this control transformer being connected to the signal converter and its secondary windings (39, 40, 53, 54, 56, 57) being connected to the control electrodes of switching elements which are assigned to these windings, the supply-voltage input terminals of the switching stages (13, 14, 15, 17) on the primary side, being parallel connected to the same supply-voltage source (18) and the signal-output terminals, on the secondary side, being series-connected by means of rectifier assemblies (21, 22, 23, 24), and further containing a low-pass filter (27), which is connected to the series-connected circuit-assembly, from the free end of which filter the amplified output signal can be picked off, wherein, for each transformer (31; 65), the primary winding (30), (64) is connected to the switching elements (34, 35; 58, 59, 61, 62) which are assigned to it, to form a push-pull circuit arrangement, and the rectifier assembly at the output terminal of the secondary winding (43; 76) is designed as a full-wave rectifier (46, 47; 77).

Compl. Specn. 13 pages, Drg. 1 sheet.

CLASS : 107 G.

157617.

Int. Cl. F 02 d 39/00.

ENGINE RETARDING SYSTEM.

Applicant : THE JACOBS MANUFACTURING COMPANY, AT 22 EAST DUDLEYTOWN ROAD, BLOOMFIELD, CONNECTICUT 06002, U.S.A.

Inventor : MARK STEVEN CAVANAGH.

Application No. 1485/Cal/82 filed on 24th December, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims

An engine retarding system of a gas compression relief type wherein during a braking mode of operation of the internal combustion engine a control piston is moved from a first position, under action on one of its opposite sides of high pressure hydraulic fluid supplied from a hydraulic fluid source, to a second position in which the control piston opens the exhaust valve of said engine prior to normal exhaust valve opening which occurs at the end of the power stroke of the engine, characterized by a hydraulic reset mechanism operative a predetermined time after said control piston in its second position opens said exhaust valve for reducing the pressure differential at opposite sides of said control piston to enable return of said control piston to its first position prior to said normal exhaust valve opening, said hydraulic reset mechanism comprising a passageway communicating at

one end with said high pressure side of said control piston and communicating at the opposite end with the low pressure side of the control piston, a pin valve mounted for coaxial movement with respect to said control piston and adapted to contact said passageway at the high pressure end thereof so as to seal off said passageway, first spring means for biasing said pin valve toward said high pressure end of said passageway, second spring means effective to bias said pin valve away from said high pressure end of said passageway while said pin valve is still in contact with said high pressure end of said passageway and being effective to move said pin valve away from said passageway a predetermined time after opening of said exhaust valve by said control piston, said predetermined time being a function of the rate of pressure decay in the engine cylinder in which the exhaust valve is opened.

Compl. Specn. 28 pages, Drgs. 4 sheet.

CLASS : 48 A₂

157618

Int. Cl. : H 011 15/02.

IMPROVED PHOTOVOLTAIC DEVICE HAVING INCIDENT RADIATION DIRECTING MEANS FOR TOTAL INTERNAL REFLECTION.

Applicant : ENERGY CONVERSION DEVICES, INC., 1675 WEST MAPLE ROAD TROY, MICHIGAN 48084, U.S.A.

Inventors : 1. WOLODYMYR CZUBATYJ, 2. RAJENDRA SINGH, 3. JOACHIM DOEHLER, 4. DAVID D. ALLRED AND 5. JAIME M. ROYES.

Application No. 236/Cal/83 filed on February 25, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

An improved photovoltaic device formed from semiconductor material including at least one active region in which charge carriers are produced in response to the absorption of incident radiation and a reflector for reflecting back into said active region radiation that has passed through said active region without being absorbed, the improvement comprising a bulk reflector for reflecting said unabsorbed radiation from within the body of said reflector.

Compl. specn. 57 pages.

Drg. 6 sheets.

CLASS : 32 F 2(b) 55 E 4

157619

Int. Cl. : C 07 d 31/00, A 61 K 27/00.

A NOVEL PROCESS FOR THE PREPARATION OF CHEMOTHERAPEUTICALLY ACTIVE (E)-AND (Z)-4-METHOXY-2, 2'-BIPYRIDYL-6-ALDOXIMES.

Applicants : HOECHST INDIA LIMITED, OF HOECHST HOUSE, NARIMAN POINT, 193, BACKLASH RECLAMATION, BOMBAY-400 021, MAHARASHTRA, INDIA.

Inventors : (1) BIPIN DHIRAJLAL ALREJA, (2) SAMBA LAXMINARAYAN KATTIGE & (3) NOEL JOHN DE SOUZA.

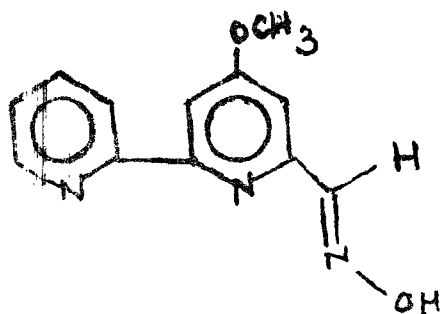
Application No. 5/Bom/1984 filed January 4, 1984.

Complete after provisional left January 3, 1985.

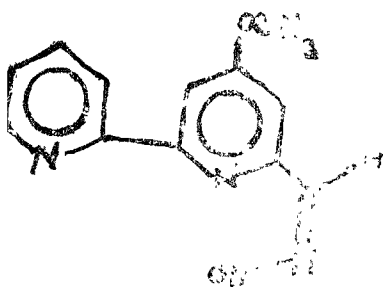
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

A novel process for the preparation of chemotherapeutically active (E)- and (Z)-4-methoxy-2, 2'-bipyridyl-6-aldoximes of the formula I and II

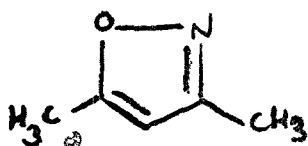


Formula I



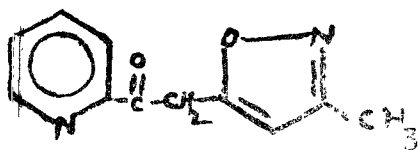
Formula II

the provisional specification, respectively, said process comprising reacting 3, 5-dimethylisoxazole of the formula III



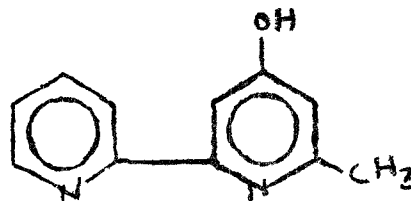
Formula III

the provisional specification with lithium diisopropylamide in an anhydrous ether such as tetrahydrofuran and ethylpyridin-2-carboxylate at a temperature below -60°C and separating the resulting (3'-methyl-5'-isoxazolyl)-2-acetylpyridine of the formula IV



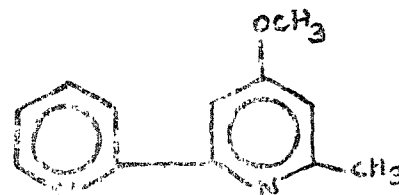
Formula IV

the provisional specification from the respective reaction mixture in a known manner; hydrogenating the (3'-methyl-5'-isoxazolyl)-2-acetylpyridine of the said formula IV using a catalyst such as platinum oxide and separating the resulting 4-hydroxy-6-methyl-2, 2'-bipyridyl of the formula V



Formula V

the provisional specification from the respective reaction mixture in a known manner; reacting the 4-hydroxy-6-methyl-2, 2'-bipyridyl of the said formula V with diazomethane and separating the resulting 4-methoxy-6-methyl-2, 2'-bipyridyl of the formula VI



Formula VI

the provisional specification from the respective reaction mixture in a known manner; and reacting the 4-methoxy-5-methyl-2, 2'-bipyridyl of the said formula VI with lithium diisopropylamide in an anhydrous ether such as tetrahydrofuran and butylnitrite at a temperature below -60°C and separating the resulting (E)-4-methoxy-2, 2'-bipyridyl-6-aldoxime of the said formula I and (Z)-4-methoxy-2, 2'-bipyridyl-6-aldoxime of the said formula II from the respective reaction mixture in a known manner.

Compl. specn. 10 pages.

Drg. Nil.

Provisional specn. 7 pages.

Drg. 1 sheet.

CLASS : 13D, 86B.

157620

Int. Cl. : A45C-13/00.

Title : AN IMPROVED LUGGAGE, HAVING INSTANTLY ATTACHABLE AND DETACHABLE SEAT.

Applicant & Inventor : DAVE ASHOK PRAVINCHANDRA AND DAVE KAUSHIK PRAVINCHANDRA, A/8. ARUNODAYA, JUHU LANE, ANDHERI (WEST), BOMBAY-400 058, MAHARASHTRA, INDIA.

Application No. 13/Bom/1984 filed on Jan 16, 1984.

Comp. after Prev. left on Jan 23, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

14 Claims

An improved luggage having instantly attachable and detachable seat comprising a plurality of spaced apart seat holders projecting out of the shells along the length of the luggage atleast on top/front side of the luggage; seat body/frame having a plurality of built-in hinges and holes provided near the free ends matching with the said holders for locking the said seat to the shells seat base/s fixed to the middle portion of the seatbody. cushion seat/s provided over the said seatbase; locks and handle flushing with the channel of the luggage and vacuum legs provided at the rear/bottom side of the luggage.

Compl. specn. 10 pages.

Drgs. 6 sheets.

Prov. specn. 18 pages.

Drgs. 18 sheets.

CLASS : 80 K.

157621

Int. Cl. : B 01 d 25/06.

FILTER MEDIUM FOR SEPARATION OF SUSPENDED DUST PARTICLES FROM THE HYDROCARBONS AND FOR FUEL IN AUTOMOBILES.

Applicants : KASS EQUIPMENT PVT. LTD., 167, DR. A. B. ROAD, BOMBAY-400 018, MAHARASHTRA, INDIA.

Inventor : RAJAN BALAKRISHNA RAJE.

Application No. 14/Bom/1984 filed on Jan. 17, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims

A process for the manufacture of filter medium for separation of suspended dust particles from liquid hydrocarbons and fuel used in automobiles, comprising :

- mixing, finely chopped fibre of cotton or synthetic origin as herein described with an inorganic water soluble salt as herein described and a synthetic resin as herein described;
- homogenising the said mixture;
- compacting the said homogenised mixture in a mould at pressures ranging from 0.1 to 50 kgs/CM²;
- curing the said mould containing the said homogenised mixture in an oven at temperatures ranging from room temperature to 250 degree centigrades;
- placing the cartridges formed after curing and cooling in water to dissolve the inorganic water soluble salt; and
- drying the cartridge.

Compl. specn, 8 pages.

Drgs: Nil.

IND. CLASS : 129E.

157622

Int. Cl. : B 21 j-1/04.

Title : AN IMPROVED METHOD OF MANUFACTURING ROUND FORGING BY CLOSED DIE FORGING PROCESS FORGING MANUFACTURED BY THE SAME PROCESS AND CLOSED DIES USED FOR MANUFACTURING SUCH FORGINGS.

Application No. 29/Bom/1984 filed on February 1, 1984. LIMITED, AN INDIAN COMPANY REGISTERED UNDER THE COMPANIES ACT, 1956, AND HAVING REGISTERED OFFICE, AT ATHWANI CHAMBERS, 4TH FLOOR, 16 MAHATMA GANDHI ROAD, PUNE-411 001, MAHARASHTRA, INDIA.

Inventor : BABASAHEB NEELAKANATH KALAYANI.

Application No. 29/Bom/1984 filed on February 1, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay-400 013 Branch.

5 Claims

An improved method of manufacturing round forgings by closed die forging process comprising a round top die, mounted on the top bolster of the forging press, having female impression corresponding to top face of the forging; a bottom die, mounted on the bottom bolster of the forging press, having a central bore of a diameter a little more than the outer diameter of the round top die within which is provided the female impression of the complete profile of the side and bottom face of the forging and the depth of the said bore measured along the inner wall of the bottom die is more than the thickness of the forging arrangements being such that when a metal bar or pancake, of a diameter slightly less than the outer diameter of forging having a

volume of metal required to fill the said die impressions, is placed in the bottom die cavity its top remains below the top edge of the bottom die and when the forging press is actuated and the top bolster carrying the top die moves downward the said top die enters into the bore in the bottom die to form virtually an enclosed space (leaving only a very narrow annular gap between the round top die and the bore in bottom die) and when top die comes to lowest position of the downward stroke the whole material fills the entire cavity between the two dies to form the final forging and as there is no extra material there is no flash or there will be a very small fin formed in the annular gap, and forgings having external sharp corner radii and very small draft angles varying from 0°-15' to 1° and having no parting line and manufactured without flash by the improved method of manufacturing round forgings by closed die forging process and closed dies used for an improved method of manufacturing round forging by closed die forging process consisting of a top round die with female impression corresponding to the top face of the forging and a bottom die having a central bore provided with impression corresponding to the complete profile of the side and bottom face of the forging the said bore being slightly larger in diameter than the outside diameter of the top round die and having a depth (measured along the side wall) more than the height of metal bar/pancake required for the forging and is to be placed in the bottom die, the said impressions having external sharp corners; very small draft angles varying from 0°-15' to 1° and having no flash land and gutter.

Compl. specn. 12 pages.

Drgs. 3 sheets.

CLASS : 133 A.

157623

Int. Cl. : H 02 p 5/06.

CONTROL DEVICE FOR ELECTRIC VEHICLES.

Applicants : MITSUBISHI DENKI KABUSHIKI KAISHA, 2-3, MARUNOUCHI 2 CHOME, CHIYODA-KU, TOKYO 100, JAPAN.

Inventor : KAZUO SASAKI.

Application No. 45/Bom/1984 filed on February 21, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims

A control device for electric vehicles, comprising a current comparator for comparing command value given to an armature of a driving motor of the electric vehicle with detecting value of actual armature current supplied to the armature and producing step advancing command where the command value is larger than the detecting value;

a control step counter for receiving the step advancing command and producing step data with value corresponding to accumulation of the step advancing command;

an armature control memory for storing the step data;

an armature power source for supplying current to the armature, said current corresponding to data transmitted from the armature control memory;

a field control memory for storing field-rate data written corresponding to the step data;

a multiplier for multiplying value of the field-rate data transmitted from the field control memory with detecting value of the armature current;

an arithmetic unit for executing operating to obtain voltage control data such that to make detecting value of the field current supplied to the field winding of the driving motor coincide with field current command value output of the multiplier; and

a filed power source for supplying field current to the field winding, said field current corresponding to the voltage control data from the arithmetic unit.

Compl. specn. 11 pages.

Drgs. 2 sheets.

CLASS : 155F₁ + F₂.

157624

Int. Cl. : D06lc - 29/00 D06 m - 13/44.

Title : A PROCESS FOR IMPARTING FLAME RETARDANT FINISH TO CELLULOSIC MATERIALS.

Applicant : THE SECRETARY OF TEXTILES COMMITTEE, CRYSTAL, 79, DR. ANNIE BESANT ROAD, WORLI, BOMBAY-400 018, MAHARASHTRA, INDIA AND THE DIRECTOR OF COTTON TECHNOLOGICAL RESEARCH LABORATORY ADENWALA ROAD, MATUNGA, BOMBAY-400 019, MAHARASHTRA, INDIA, A SOCIETY REGISTERED UNDER THE SOCIETIES REGISTRATION ACT, 1860.

Inventors : (1) DR. (MRS.) G.R. PHALGUMANI, (2) DR. B.R. MANJUNATHA, (3) S. N. BAILUR (4) MISS. I.G. BHATT, (5) DR. V. SUNDARAM (6) A.W. SHRINAGPURE AND (7) SMT. V. IYER.

Application No. 69/Bom/1984 filed on March 20, 1984. Comp. after Prov. Ict-Jan, 16, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

11 Claims

A finishing process for rendering cellulosic material flame retardant which comprises,

(a) Impregnating the said cellulosic material with an aqueous solution or dispersion containing inorganic salts or compound of metals and non-metals as herein described, a nitrogen donor salts or compound as herein described and any known type of softener and wetting agent characterised in that said solution also contains the reactive polymer such as herein defined.

(b) Drying the said impregnated cellulosic material by heating at the temperature, 80°C to 100°C and finally cured by heating it 140°C to 170°C for 3 to 10 minutes.

Compl. Specn. 12 pages.

Drgs. Nil.

Prov. specn. 5 pages.

Drgs. Nil.

IND. CLASS : 48 B, 151C.

157625

Int. Cl. H 02 g-11/06.

Title : AN ENERGY LINE TRANSMISSION CHAIN.

Applicants : KABELSCHLEPP GmbH, A COMPANY ORGANISED UNDER THE WEST GERMAN LAW, OF MARIENBORNER STR. 75, 5900 SIEGEN 1, WEST GERMANY.

Inventor : WERNER MORITZ.

Application No. 112/Bom/1984, filed on April 11, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims

An energy line transmission chain for carrying energy conduits, in particular cables or hoses from an attachment point to a movable consuming load, consisting of a plurality of chain links which are formed by two outer straps connected to each other by a cross link, the mutual angle of swing of which is limited by stops, characterised in that each chain link is formed of a 'V' shaped receiving part 1 which is developed as a single piece of stable shape whose other legs form the two outer straps 2 and 3 of a closure yoke 5 which can be connected to the free edges of the outer straps 2 and 3 and is pivoted to one outer strap 3 by a hinge and can be locked to the other outer strap 2 by means of a resilient hook 12.

Compl. specn. 8 pages.

Drgs. 2 sheets.

IND. CLASS : 49 H.

157626

Int. Cl. : A 47 j 27/00.

PRESSURE RESPONSIVE SAFETY VALVES FOR PRESSURE COOKERS FOR DOMESTIC USE.

Applicants : PRESSURE COOKERS & APPLIANCES LTD., UNITED INDIA BLDG., PHEROZESHAH MEHTA ROAD, BOMBAY-400 001, MAHARASHTRA INDIA.

Inventor : NARANAMMALPURAM SANKARAN SUBRAMANIAN.

Application No. 160/Bom/1984 filed June 1, 1984.

Anti dated to March 25, 1982.

(Divisional to Patent Application No. 70/Bom/1982).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

7 Claims

A pressure responsive safety valve for a pressure cooker comprising a base and a hollow body disposed on the inside and the outside of the lid respectively of the pressure cooker and secured together, the hollow body having a cavity or passage at the bottom thereof for admitting steam and an outlet passage for steam, a bush secured to the inside of the body, a valve stem having a valve head seated on the bush and projecting into a hole on the top of the body, a valve spring around the valve stem bearing against the valve head and inner top surface of the body, a gasket or sealing ring between the body and the lid, and another gasket between opposed surfaces of the body and the bush.

Compl. specn. 11 pages.

Drg. 1 sheet.

CLASS : 201 C

157627

Int. Cl. : B 01 j=4/00, CO 2 b=3/06.

Title : AN APPARATUS FOR DOSING CHEMICALS INTO UNTREATED WATER SUPPLY.

Applicant : PENNWALT INDIA LIMITED, OF 507 KAKAD CHAMBERS 132 DR. ANNIE BESANT ROAD, WORLI, BOMBAY-400 018 INDIA, AN INDIAN COMPANY.

Inventor : SUKH DEV KASHYAP.

Application No. 259/Bom/1984 filed on September 17, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

5 Claims

An apparatus for dosing chemicals into untreated water supply for sterilization comprising a water tank, a self powered adjustable dosing head with an integral chemical reservoir including a weir chamber attached to a ball float, fixed plunger for entering in the said weir chamber to a pre-set variable depth for displacing controlled amount of chemical from weir chamber into a water tank, means for displacing chemical from weir chamber into the main tank which means moves clear when the chamber descends into the chemical reservoir and is replenished in readiness for the next cycle, a self actuating high capacity syphon for discharging the contents of the tank into a service reservoir.

Compl. specn. 10 pages.

Drg. 1 sheet.

CLASS : 93.

157628

RENEWAL FEES PAID

Int. Cl. : B01 j 2/02.

A PROCESS FOR THE GRANULATION OF MENTHOL.

Applicants : CAMPHOR & ALLIED PRODUCTS LTD.,
JEHANGIR BUILDING, 133 MAHATMA GANDHI
ROAD, BOMBAY-400 023, MAHARASHTRA, INDIA.

Inventors : (1) RAJESH SINGH (2) PARESH MA-
HESH RAO, (3) SATENDRA SINGH, (4) DR. VEERIN-
DER K. KOUL, (5) DR. AJAY KUMAR MATHUR, (6)
DR. AMAR NATH MISRA, (7) DR. RAM PRAKASH
VERMA & (8) DR. SUKH DEV.

Application No. 315/Bom/1984 filed Nov. 9, 1984.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims

A process for the granulation of menthol by dispersion of
molten menthol in water in a reactor such as herein des-
cribed and as shown in Fig. 1 of the accompanying drawing
using water and menthol in weight ratios such as herein
described and under operating conditions such as herein
described to form droplets which are cooled under condi-
tions, such as herein described to granules.

Compl. specn. 6 pages.

Drg. 1 sheet.

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by National Council for
Cement Building Materials, to the grant of a patent on
application No. 156893 made by Dr. Anil Krishna Kar.

(2)

An opposition has been entered by National Council for
Cement Building Materials to the grant of a Patent on appli-
cation No. 156894 made by Dr. Anil Krishna Kar.

PATENTS SEALED

151794 152692 152798 153375 154022 154581 154656 154681
154741 154813 154830 154879 154944 155030 155031 155035
155039 155048 155049 155073 155111 155116 155125 155164
155168 155175 155197 155243 155244 155256 155262 155281
155394 155397 155400

AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by Petrocarbon Developments
Limited, a British Company of Petrocarbon House, Sharston
Road, Manchester M2284TB, United Kingdom in respect of
Patent application No. 153160 as advertised in Part III, Section
2 of the Gazette of India dated the 9th November, 1985 have
been allowed.

137384 137544 138186 138241 139073 139681 139682 140466
140536 140596 140676 140927 141094 141184 141886 142472
142878 142888 142927 143034 143501 143591 143734 143905
144116 144220 144275 144534 144657 144866 144870 145069
145354 145986 146284 147053 147396 147397 147398 147399
147400 147431 147585 148063 148921 149038 149325 149350
149817 149621 150145 150187 150214 150663 150747 150796
150939 151207 151257 151279 151302 151363 151420 151436
151559 151614 151669 151684 151750 151841 152109 152209
152558 152697 152758 152807 152952 153096 153112 153218
153219 153348 153532 153601 153929 154019 154095 154261
154586 154634

CESSATION OF PATENTS

150361 150700 150824 152234 154068 154302 147566

ASSIGN PROCEEDINGS (DESIGN) UNDER SEC. 63 OF
DESIGN ACT, 1911

Assignments, licences or other transaction affecting the in-
terest of the original proprietor have been registered in the
following cases. The numbers of each are followed by the
name of the applicants for registration.

No. & Name

153175, 153176, 154650 & 154906—Vishvakarm Trust, through
its Managing Trustee, Prem Pandi, D-393, Sector-10, NOIDA,
Distt. Ghaziabad, U.P.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not
open to inspection for a period of two years from the date of
registration except as provided for in Section 50 of the Design
Act, 1911.

The date shown in the each entry is the date of registration
of the design included in the entry.

Class. 1. No. 156079, Bhagwati Steel Industries (a registered
Partnership firm) of Karansinhji Road, Below Dr.
Upadhyay's Clinic, Rajkot-360 001, Gujarat, India.
"Stand for A Wick Stove". 24th September, 1985.

Class. 1. No. 156077, Bhagwati Steel Industries (a registered
Partnership firm) of Karansinhji Road, Below Dr.
Upadhyay's Clinic, Rajkot-360 001, Gujarat, India.
"Top Plate for A Wick Stove". 24th September
1985.

Class. 1. No. 156078, Bhagwati Steel Industries (a registered
Partnership firm) of Karansinhji Road, Below Dr.
Upadhyay's Clinic, Rajkot-360 001, Gujarat, India.
"Tank for A Wick Stove". 24th September,
1985.

Class. 1. No. 156703, Renuka Enterprises a Proprietary
firm. "Double Action Bottle Opener". 26th
February, 1986.

Class. 3. Nos. 156449, 156450, Reckitt and Colman of
India Limited, 41 Chowringhee Road Calcutta-
700 071, West Bengal, India. "Dispensers for
liquids". 20th December, 1985.

Class. 3. No. 156608. Plastic Equipments, Tinwala Building Ground floor, Tribhovan Road, Bombay 400 004, Maharashtra, India, an Indian Partnership Firm. "Spice Dispenser". 5th February, 1986.

Class. 3. No. 156576. Kissan Products Limited (a company existing under the Companies Act) at Old Madras Road, Bangalore 560 016 State of Karnataka, India. "Bottle". 30th January, 1986.

Class. 3. No. 155962. Metal Box p.l.c., of Queens House, Forbury Road, Reading RG1 3JH, England, a British Company. "a Container with Handle and Lid". Reciprocity 12th February, 1985 (U.K.).

Class. 3. No. 155963. Metal Box p.l.c., of Queens House Forbury Road, Reading RG1 3JH, England, a

British Company. "a Container with Lid". Reciprocity date is 12th February, 1985. (U.K.).

Class. 3. No. 156074, 156075. Arcu Armatuindustri AB, of P.O. Box 64, S-360 75 Alstermo, Sweden and IFO Sanitar AB, of S-29500 Bromolla, Sweden, both Joint Stock Companies Organized under the laws of Sweden. "Lavatory Cistern". Reciprocity date is 4th April, 1985 (U.K.).

Class. 4. No. 156060. JG Glass Limited., of Pimpri, Pune-411 018, Maharashtra, India, an Indian Company. "Bottle". 19th September, 1985.

R. A. ACHARYA

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